#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TN RE APPLICATION OF: Steven M. Hansen, et al.

APPLICATION NO.:

10/809,470

FILED:

MARCH 25, 2004

FOR:

POLYESTERS CONTAINING MICROFIBERS,

AND METHODS FOR MAKING AND USING SAME

**GROUP ART UNIT:** 

1796

**EXAMINER:** 

IRINA ZEMEL

ATTORNEY DOCKET NO .:

**AD 7006 USNA** 

#### **DECLARATION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir.

In the Non-Final Office Action mailed on March 19, 2008, the Examiner rejected Claims 1-8, 11-13, and 30-31 under 35 U.S.C. § 103(a) as being obvious over Philippoz *et al.* (WO 02/083794 A2; hereinafter "Philippoz PCT") and further rejected Claims 9-10 and 32 under 35 U.S.C. § 103(a) as being obvious over Philippoz in view of Vercesi *et al.* (U.S. Patent No. 6,068,922; hereinafter "Vercesi"). The International Publication Date of Philippoz PCT is October 24, 2002. The U.S. counterpart application to Philippoz PCT is U.S. Patent Application No. 09/833,456 (hereinafter "Philippoz US"), published on December 12, 2002, as U.S. Patent Application Publication No. 2002/0187291.

We declare that the presently claimed invention was reduced to practice in the United States prior to the publication date of Philippoz PCT (October 24, 2002) and Philippoz US (December 12, 2002). Further to this declaration, we attach signed notebook pages, with dates redacted, that demonstrate conception (Exhibit 1) and exemplify the reduced to practice invention (Exhibit 2).

As a person signing below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I

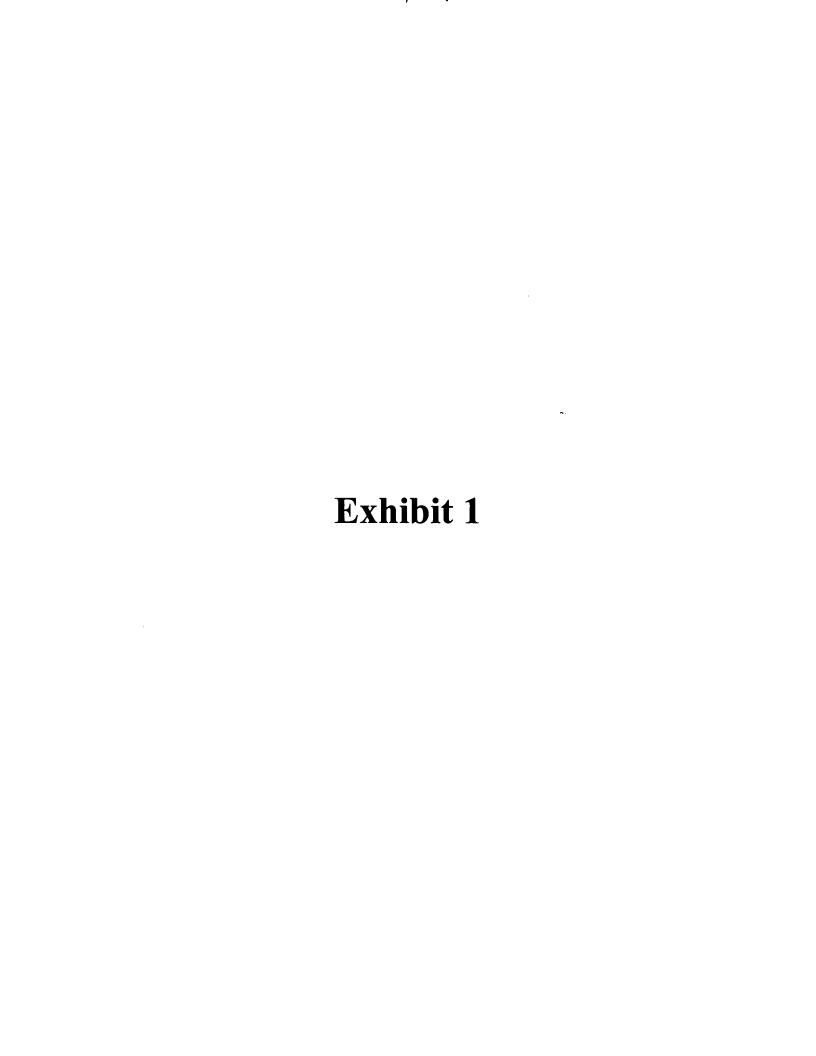
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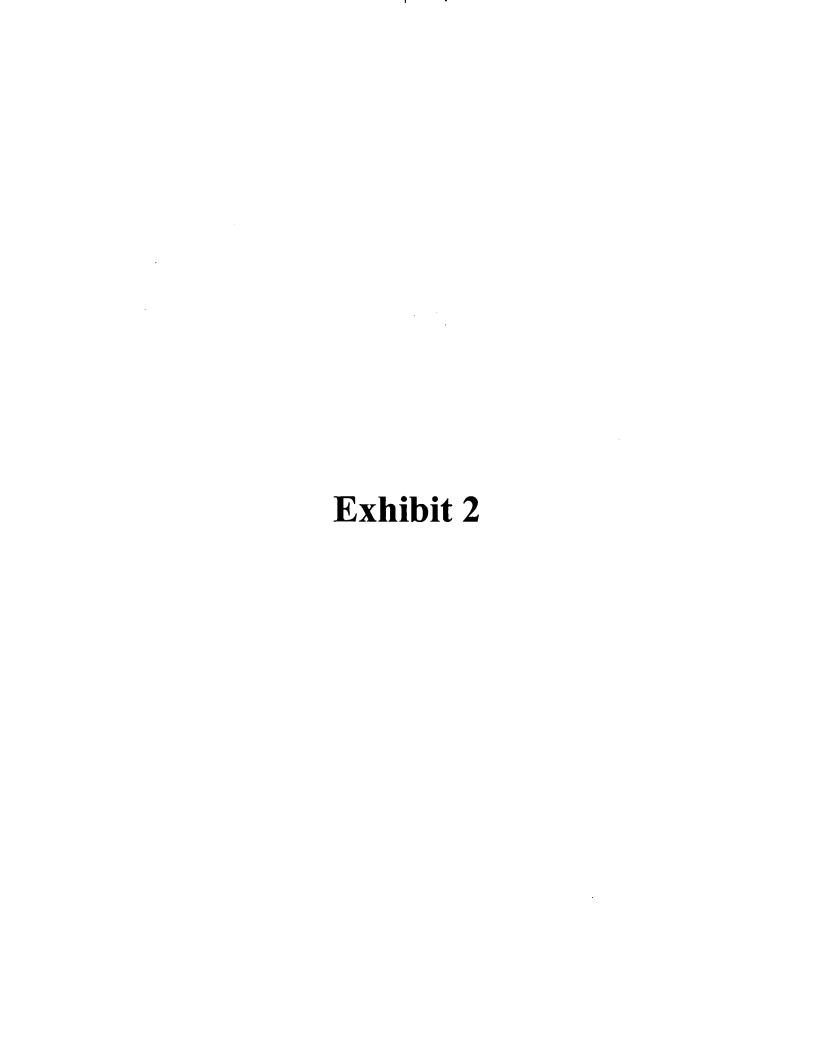
also declare that all statements were made with knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and any such willful false statements may jeopardize the validity of either the patent application or any patent issuing thereon.

Respectfully Submitted,

Sta M. Ham	a 12/08
Steven M. Hansen	Date
Sam Luis Samuels	Date
Richard Allen Hayes	Date
Arnold Francis	



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Alan Are pressure at 35 PSI I and erect legitator to 8 Rem.  1/25 Air pressure at 30 PSI beautered agitator to 6 Rem.  1/26 Air pressure at 20 Bl or presing to now to batch  1/26 Completed agitator batch. Olhus deniming sample to Iab.  1/270 Blew teel blew Pold Tomps pert Clave Grande Une.  1/275 Clarged 30 Hs of 26 fins CRO, set agreetor at 12 Report took parter.  1/275 Estanded CBO, blew Pold Tomps, put Clave wader Vac.		getelle en	-Clay	ze sz	TZ.	negin	rend	10	Z							
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2540 Blew teel blew Pold Tomps Out Clave lunder Une. 255 Charged 50 1/5 of 26 fine CBD set actabre at M. Rom took perfect 2515 Extended CBC, blew Pold Tomps, put Clave under Une. 2615 Checked leak rate at 1814 mapping.	125 A		ce at	20 BI	ece	Marien.	, 26 3	06.5	, <u>,</u>	LZ	K P P					
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# Best Available Deepon Research Laboratory POLYMER BATCH UNIT

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# Best Available Copy "Dacron" Research Laboratory POLYMER BATCH UNIT

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: STEVEN M. HANSEN, ET AL.

**APPLICATION NO.:** 

10/809,470

FILED:

MARCH 25, 2004

FOR:

POLYESTERS CONTAINING MICROFIBERS, AND METHODS FOR MAKING AND USING SAME

| 1796

EXAMINER: IRINA ZEMEL

ATTORNEY DOCKET NO.:

**AD 7006 USNA** 

**GROUP ART UNIT:** 

#### **DECLARATION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In the Non-Final Office Action mailed on March 19, 2008, the Examiner rejected Claims 1-8, 11-13, and 30-31 under 35 U.S.C. § 103(a) as being obvious over Philippoz *et al.* (WO 02/083794 A2; hereinafter "Philippoz PCT") and further rejected Claims 9-10 and 32 under 35 U.S.C. § 103(a) as being obvious over Philippoz in view of Vercesi *et al.* (U.S. Patent No. 6,068,922; hereinafter "Vercesi"). The International Publication Date of Philippoz PCT is October 24, 2002. The U.S. counterpart application to Philippoz PCT is U.S. Patent Application No. 09/833,456 (hereinafter "Philippoz US"), published on December 12, 2002, as U.S. Patent Application Publication No. 2002/0187291.

We declare that the presently claimed invention was reduced to practice in the United States prior to the publication date of Philippoz PCT (October 24, 2002) and Philippoz US (December 12, 2002). Further to this declaration, we attach signed notebook pages, with dates redacted, that demonstrate conception (Exhibit 1) and exemplify the reduced to practice invention (Exhibit 2).

As a person signing below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I

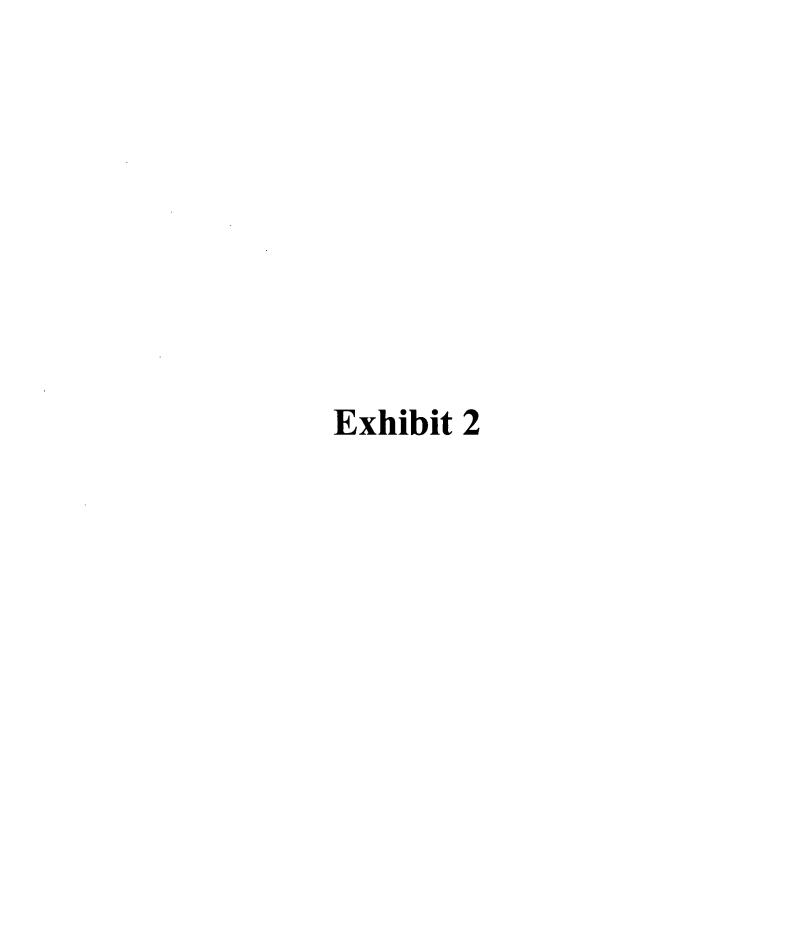
Ser. No. 10/809,470 Docket No. AD7006 USNA

also declare that all statements were made with knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and any such willful false statements may jeopardize the validity of either the patent application or any patent issuing thereon.

Respectfully Submitted,		
Steven M. Hansen	Date	-
Sam Lors Samuels Love S	Date	8/18/2008 -
Richard Allen Hayes	Date	
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#### Exhibit 1

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### Best Available Despon\*\* Research Laboratory POLYMER BATCH UNIT

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perator (84)	HATTO-COOKSESSACE STOPPING STOP		W.S		~~~~~	*=4977777444	**********		<del></del>	***********	********	Was.
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op Line			288		23%		<del> </del>		<del></del>	-		
p Valve			268			228		<del> </del>	<u> </u>	┿╍╌┼╴		
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vo Pressuro			カナ		カフ		<del></del>		<del> </del>	╂╼╼┼		
tator RPM			12	12	13	3	<u> </u>	12	-	-		
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Ł Valvo			280	280	279	279		229			<del>- i</del>	
L. Nozzie			241	241	291	291		291				
por Take-off			262	290	29%	79.5		282		•		
ive Dow Vent			281_	244	304	272		219				
por Take-off Flange	<del> </del>			299				293			~	ME
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mple No's.: Beginning	RV	Marie			~~~~~ L_E	. 17 <i>8</i> 00		•	********	***		
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Object of Test PET W		EYIAR	<del>77:7:0::::::::::::::::::::::::::::::::</del>	······································	********		·····	************	·* 1-1-1	***********	*******		
Operator (6-4)	and and the transporter grades because the	(4-12)	***********	, , , , , , , , , , , , , , , , , , ,	*********	*********	(12-8)		.S		++100 kdg= qqq		
MONOMER CYCLE		***											
Patrol .	Test Limits		0625	0725	083	0800			1		T	1	<u> </u>
Betch Temp.			7.5	176	201	2023	-		<u> </u>		╁		<b></b>
Bot Col			54	159	152	119				_	<del> </del>		<del></del>
Pop Col. Drop Line			48	108		_							
Drop Valve	-	·	284	224	270	240	<del> </del>						
McOH Roc. Level			8	2200	_	231 DFF	<del>                                     </del>		<del> </del>		<del> </del>		
C Rea Level			٥	ò	0	500					<del>                                     </del>		*****
CLAYE PATCH	<b> </b>	***************************************	31	3/	31	31							
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dr Pressure			29	-0	12,	-3-		12-					-
ixt. Valve			240	26	27	250		مهد		ļ			
kt. Nozzie			200	25,	290	250		290		<del> </del>			
apor Tuke-off Nave Dow Vent	ļ		270	285	294	255		215					
apor Take-off Flange	<del> </del>		<u> </u>	295	34	7.0		268					
			250	لوود	399	738		747		<del> </del>		<del></del>	
alve to Instr. Line Closed	. (check), Time	Extrasion star	ted //	Z	molete.	7 125	 			<del></del>		<u>.</u>	
otal Polymer Extraded	30.0	Cut Flake	28.	٠.		Worte	1.1						
ample No's: Beginning		Addle						***************************************		4	-KL	1 16	. 9
Time				IING I		D. questioned	T	Nestreb	WA-	****		10	
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1625 Turned me Ac	it and	teast to	all F	a foot	<del>/</del>							<del></del>	***********
0830 MOOH cycle Comp	- Spitche	1 4 24 0	***	, , , , , , ,	<b>/</b>								
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	B-4}		4>+++4	Za Ke		-5 Rd	<b>جــــ</b>		(12-8)		<u>S.</u>			
ONOM	R CYCLE					•								•
	strol	<u> </u>	Test Limits		1500	3000						T		T
Ask Town			12000		47	1900	196					+		<b></b>
teh Temp	,			·	48			15-3				+		
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rop Line					277		255							
rop Valvo					289	223	22.8							
oOH Roc					0	500	5800					╂╼╼╂	~~~	-
Rea Level Dow V	***				31	3 0	37	31			<del> </del>	-		-
<u> </u>	<del>om</del>	· · · ·			281			277			-	1	***	
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me Batch	dropped to C	Java	Press	. on empty olav	<b>B</b>	mn	Hg. in.		<del></del>					
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P	atrol		Test Limits		2025	2125	2225	27,0		1	1	1 1		
atch Tem	D				261			279		<b>——</b>	1			+
lave Press					0.7	0.1		3,3						
gitator Ri	M				12	12	/2	3						
ir Pressur	<u> </u>		<u>,</u>		142	138	28	120	<b></b>	<del> </del>		<b></b>		
ext. Valvo					250	280				<del> </del>	<del> </del>			
et Nozzla Vapor Taka					1290	2-85	253	25/		<del> </del>	<del></del>			
Dave Dow					180		_	27/	<del> </del>	<del> </del>	<del> </del>	+		
	off Flange				281	T		255						
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			(check). I	ime Extrusion :	troted_2	310 .	comolet	2270	2		-			
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Total Polyn Sample No Time	oer Extraded.	aş yağınşarüründed Frührüb			/K ,	7	End		27		od RV	\		
Time    Sample No.	oer Extraded.	aş yağınşarüründed Frührüb			/K ,	NING	End		ev		od RV		4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Ford Polym Sample No Time /800   2005	oer Extraded.	aş yağınşarüründed Frührüb			/K ,	NING	End		cke		od RV			
Time  Floor    Sample No  Time  FROO    2005    2010    2015	oer Extraded.	aş yağınşarüründed Frührüb		Middle Mi	/K ,	NING	End		chir		od RV			
Time  Floor    Floor	oer Extraded.	aş yağınşarüründed Frührüb			/K ,	NING	End		Chir		od RV			
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Time	oer Extraded.	aş yağınşarüründed Frührüb		Middle Mi	/K ,	NING	End		Chu Em ED ED		od RV			
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PATENT

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: STEVEN M. HANSEN, ET AL.

APPLICATION NO.: 10/809,470

FILED:

March 25, 2004

FOR:

POLYESTERS CONTAINING MICROFIBERS, AND METHODS FOR MAKING AND USING SAME **GROUP ART UNIT:** 

1796

EXAMINER: IRINA ZEMEL

ATTORNEY DOCKET NO.: AD 7006 USNA

#### **DECLARATION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In the Non-Final Office Action mailed on March 19, 2008, the Examiner rejected Claims 1-8, 11-13, and 30-31 under 35 U.S.C. § 103(a) as being obvious over Philippoz *et al.* (WO 02/083794 A2; hereinafter "Philippoz PCT") and further rejected Claims 9-10 and 32 under 35 U.S.C. § 103(a) as being obvious over Philippoz in view of Vercesi *et al.* (U.S. Patent No. 6,068,922; hereinafter "Vercesi"). The International Publication Date of Philippoz PCT is October 24, 2002. The U.S. counterpart application to Philippoz PCT is U.S. Patent Application No. 09/833,456 (hereinafter "Philippoz US"), published on December 12, 2002, as U.S. Patent Application Publication No. 2002/0187291.

We declare that the presently claimed invention was reduced to practice in the United States prior to the publication date of Philippoz PCT (October 24, 2002) and Philippoz US (December 12, 2002). Further to this declaration, we attach signed notebook pages, with dates redacted, that demonstrate conception (Exhibit 1) and exemplify the reduced to practice invention (Exhibit 2).

As a person signing below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I

Ser. No. 10/809,470 Docket No. AD7006 USNA

also declare that all statements were made with knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and any such willful false statements may jeopardize the validity of either the patent application or any patent issuing thereon.

Respectfully Submitted,	
Steven M. Hansen	Data
Staven W. Hansen	Date
Sam Luis Samuels	Date
Piohord Allen Marine	> 8/12/200
Richard Allen Hayes	Date .
Arnold Francis	Date

Exhibit 1



Date St	arted:	Author	HANSE	N.		Zast Cod	Str	os!	D = 2	-018	. ,					
· CHARM	AF TREE P	~ •	0.03	10 K.												
Operato	# (8-4)		4 14 m mószi tétét ( 111 14 1		L12)	M.	ues			/10.0\	<u> </u>	.2.	************	*********	3000 1 jauggerand 3	
MONO	OMER CYCLI	В					//			(wo).	mana, Til		1444- <del>0</del> 7	**********	r-	
i. K	Patrol		Test Limits		<del></del>	T		T	Т	<del>,</del>	<del></del>		·			
Batch T	emp.		- مر بر			1900	200	2/00		2235						
Bot. Co	·					53	133	178		230						
Top Co						27	90	82	107	185		<del> </del>	-			
Drop V						28	157	122		201		<del> </del> -	<del> </del>	+	╼┼┈╼╸	
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·	<del></del>					215	277	290	277	260				-	-	
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. Time Ba	tch dropped to C	lave	Pross.	on empty	y ciavo.	*************	mm )	Te. in.					540	<u></u>	200	
MoOH R	lectiver valve OP	EN when	vorsel is om	pty	(d	hock).				··· Lilli						
	CLAVE CYCI					·					بير	-				
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Batch Te			Limita			<b>3250</b>	<b>3350</b>	0050	000		0355					
Clave Pr	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN		7.80	·		268	272		279		215					<del></del>
Agitator	RPM					12	12	<b>D.T.</b>								
Air Press						37	27	27	20		<u> 72:</u>					
Ext. Valv						250	280	280	284		280					
Vapor Ta						290	29/	241	25/		290					<del></del>
Clave Do						284 296	292	332	202		276					
Vapor Ta	ke-off Flange							_	304		212					
****						286	293	20.0	200		274			~	-	
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pambie N	lo's: Begi <del>nnin</del> g		, RV	Middle		, RV						RV	•			
Time					I	RUNN	ing i	DQ.			-		~			
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2220	Read will	gan 2	- on_	still,	X	hely	711.	othe	左	come	dl	1		·	<del></del>	
2235	26 cycle	Cons	2001	201	de	199	1,15	-35	- Ly	ele,	1			*********		
2250	Batella	Clar	2	9%	with	and	70	Liele T		6 G						
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0125	die pressu	<u> </u>	35 P	-	مكوموه	t hg	ikakpi	- <del>/</del>	_6	Rem						
മദര	Airpressu	ce at	20 BI	Acre De	<i>Qu2€</i> ¢;	car o	Tital	<u> </u>	3	RPM	<u> </u>					
<u>DA30</u>	Completed	1 095	bring be	defe	CIL	a de	a incin	~O	Lec e	le I	. /4	1				
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1615	Checked les	the real	cat	14.4 m		Jane	سمائه		rade-	_16	<u> </u>					
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				CON	CHOL	6										
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Trademark	for du Pont polyeste	r fiber.							-							

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Object of Test 151 W/Operator (84)	<i>0.037</i> 6,	WE KAKE	41 5		MP-1-1-1-1-1-1		****		<del></del>	<del></del>	<del></del>	*****
Operator (8-4)	ng bar nd bur bedoot Books he pillipit y 4.	(4-12)	$\omega \sim$	45	<del> </del>	***********	(12-8)		, <del>,</del> , <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	************		
MONOMER CYCLE				• •	•							
Patrol	Test Limits		46-				T			T T		
Batch Temp.			56	0735			ļ	<u> </u>				
Bot. Col.	<b></b>		5%			22%	<del> </del>	<del> </del>		<del>  </del> -		
Top Col			54		111	91				<del>  </del> -		
Drop Line			287			292				<del>                                     </del>		<del></del>
Drop Valve	<del>                                     </del>		268	246	202	228						
McOH Roc. Level 2C Rec. Level	<del> </del>					650	<del></del>					
Sell Dow Vent	<del> </del>		31	30		31	-	ļ		┼┷╌┝		
CLAVE Bold			271			219				╅━┷		
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Time 063 063							063	5		0855	109	U5.
Amount 40 16 26 1							1 /	S		6160		00
Time Batch dropped to Clave		on empty clave.	بهوه مجدومه وهر	mm	Hg. in	**********	min.					· · · · · · · · · · · · · · · · · · ·
McOH Receiver valve OPEN when	e vessel is em	pty(d	bock).					1	1			
AUTOCLAVE CYCLE									//			
Patrol	Test			T		7	1	ھے	<u></u>	<del></del>		
	Linds		0936	1030	1130	1215		1455				
Batch Temp.			264	271	229	279		254				·
Clave Pressure	<del> </del>		DT.		ひユ							
Agitator RPM Air Pressure	<del> </del>	·	12	13	42	3		12				
Ext. Valve	<del> </del>		22	280	229	279		000				
Ext. Nozzio	<del>       </del>		261	241	291			291	·	-		<del>'                                    </del>
Vapor Take-off			262	290	29%			262				
Clave Dow Vent			281	244	304			2/9	***	<del>                                     </del>		
Vapor Take-off Flange			291	299	343	3%		295				
	<u> </u>		283	389	13ex	288	<u> </u>	282		·		
Valve to Instr. Line Closed	(check), II	zee Extrasion sta	rtod./.ol.	<i>30</i> .: «	ಯುಸ್ತಿಂದ	مدره	ଧ ୁ	_				•
Total Polymer Extraded_SO.									Philipadeury of appy	•••		
Sample No's: Beginning	, RV	. Middle	, RV.		30d	, B	(V	. Desired	VR 1	u-040		
Time			RUNI									
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DAM BAICH TAI SEI	LOUN	CH CKE						·				
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1920 Rosel Til	ische ff	charing.	IA DA	St.	salch		Clave			·	- 2-7.	
115% Ail PLESSILE DI	OF DE	Kitch Dale	- HA		LAN			201601	_NC	9t OF	ESK	<i>II</i>
1200 DIXPLESTIKE AL	35 04	1 Sur Col	A91		<u> </u>		KERI.					·
1210 Bil ARCHIVE AY	3015	Muche	Agi	SAC	S/ 7	13	KAA	75	<del>*************************************</del>			
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1840 Check lesk	dti e	4.8 M	4/60									
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MONOMER CYCLE			, ,, sam					·	erer so Kro ()	Poetelandel del	**********	*****	
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Pop Cal				27	74	Ш	92						
Drop Line				2/2	233		28 X						
hop Valve				223	20 %								
MOOH Rec. Level				<u> </u>		4800		~					
C Rec. Lovel				<u> </u>	-0	0	500					<u> </u>	
MI Dow Vent				31_	228	31	280						
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		KP.		mbs Add			26	W/ K	TVL #	n (1.857)	/wgred	lients R	
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iatch Temp.					277				270				T
lave Pressure				0.7.	at	<b>3.7</b>	2.7						
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tir Pressure				27	28	28							
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Ext. Nozzie Vapor Tako-off				-	291	290			291	•			<del> </del>
Clave Dow Vant		***************************************		285	301	292	297 300		29 I 274				-
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Valve to Instr. Line Close	d	(check). I	lime Extresion st				46500						
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Total Polymer Extraded Sample No's: Beginning. Time 1900   Changes		, RV		, RV	NING :	nd	X				140 to 1		
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Total Polymer Extraded. Sample No's: Beginning. Time 1900   Changes 2135   Messe cycle 2150   26 cycle			Middle	RUNI	NING :	rog	X		Dostred	BV	145 to 1		
Total Polymer Extraded. Sample No's: Beginning.  Time  1900   Changed  2135   Mexacus  2150   26 cycle  2200   Battle	atilli alice cl	+ The		RUNI	NING :	rog	Ect,	·	Dostred	BV	15510		
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Object of Test LET W	ed og og pe josenderen belja pagna j	(4-12)				*** **********************************	(12-8)		S.	***********	*********	*****	
IONOMER CYCLE							<b>.,</b>				************	<del>nto.</del>	
Patrol	Test Limits		0/25	0725	22		Ţ		7		T	7	
atch Temp.			75		2025				ļ		↓		
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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: STEVEN M. HANSEN, ET AL.

APPLICATION NO.:

10/809,470

GROUP ART UNIT:

1796

FILED:

MARCH 25, 2004

**EXAMINER:** IRINA ZEMEL

FOR:

POLYESTERS CONTAINING MICROFIBERS,

**AD 7006 USNA** 

ATTORNEY DOCKET NO .:

AND METHODS FOR MAKING AND USING SAME

#### **DECLARATION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In the Non-Final Office Action mailed on March 19, 2008, the Examiner rejected Claims 1-8, 11-13, and 30-31 under 35 U.S.C. § 103(a) as being obvious over Philippoz et al. (WO 02/083794 A2; hereinafter "Philippoz PCT") and further rejected Claims 9-10 and 32 under 35 U.S.C. § 103(a) as being obvious over Philippoz in view of Vercesi et al. (U.S. Patent No. 6,068,922; hereinafter "Vercesi"). The International Publication Date of Philippoz PCT is October 24, 2002. The U.S. counterpart application to Philippoz PCT is U.S. Patent Application No. 09/833,456 (hereinafter "Philippoz US"), published on December 12, 2002, as U.S. Patent Application Publication No. 2002/0187291.

We declare that the presently claimed invention was reduced to practice in the United States prior to the publication date of Philippoz PCT (October 24, 2002) and Philippoz US (December 12, 2002). Further to this declaration, we attach signed notebook pages, with dates redacted, that demonstrate conception (Exhibit 1) and exemplify the reduced to practice invention (Exhibit 2).

As a person signing below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I Ser. No. 10/809,470 Docket No. AD7006 USNA

also declare that all statements were made with knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and any such willful false statements may jeopardize the validity of either the patent application or any patent issuing thereon.

Respectfully Submitted,	
Steven M. Hansen	Date
Sam Luis Samuels	Date
	•
Richard Allen Hayes	Date
a. aa -7	·
Arnold Frances Arnold Frances	<i>8   13  o</i> ⊘ Date
2 Talles	Date





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